

Introductory

N offering to the profession our new Interrupterless X-Ray Transformer, we bespeak the same cordial reception which has been accorded to the various special-ties of our manufacture which have been introduced during the past thirty-five years.

The keynote of the principle of construction which we have followed in X-Ray apparatus is EFFICIENCY. Our portable coils have set the pace in this regard. With our No. 6 Portable Coil it is possible to make a hip picture while drawing but one ampere of current. With other portable coils from five to ten amperes are consumed for this grade of work.

In the design of our Interrupterless apparatus, we have followed the same lines of progress. The construction of all of our apparatus is far simpler than that of other makes. A glance at the switchboard of many of the transformers is enough to awe the beholder and confuse the operator. We have aimed to do away with complication and make the apparatus extremely simple to operate.

(Patents Pending)

All other Interrupterless X-Ray Transformers employ a noisy com-A New mutator driven by a synchronous motor to rectify the high tension alter-Principle nating current before it enters the tube. This commutator is one of the most disagreeable features of such outfits, and 90 per cent of all repairs and renewals required are necessitated by this feature of the apparatus. In the Hogan Silent X-Ray Transformer this commutator has been entirely eliminated. By a special method of winding the transformer and connecting the tube, one of the waves of each cycle is transposed; in other words, we rectify the current wholly by electrical means without resorting to mechanical devices. In producing this result (which is absolutely new from the X-Ray standpoint, and on which basic patents are now pending) we have made use of a principle long used in electrical engineering practice. Electrical engineers of high standing, who have investigated our methods, endorse them as entirely practical.

No Commutators, Liquid or Mechanical Rectifiers, Valves or Interrupters Used

Absolutely no moving parts are contained in the Alternating Current Outfit aside from the adjustable spark gap rods. With the Direct Current Outfit a quiet-running rotary converter is required to change the direct current to an alternating current to excite the transformer, but otherwise no

mechanical equipment is needed. There is an entire absence of the hissing arc which is formed at the commutator of the other machines.

No Valve Tubes Used Some who have witnessed the perfect working of this transformer in utter amazement have declared that we use valve tubes to eliminate the inverse. No vacuum tubes whatever are used aside from the X-Ray

tubes used routinely.

No Special Tube Needed At first it was thought that a specially constructed tube would be necessary for the purpose, but after repeated experiments it was found that the regular tungsten target transformer tube could be employed.

Beautiful Hemisphere

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The most remarkable feature of operation is that the tube lights up with a most beautiful, sharply defined hemisphere of deep yellow fluorescence as clear and distinct as with a static machine. This is the

ideal condition long sought for by expert radiographers.

Absolutely No Inverse At last an apparatus has been produced which excites a tube to the maximum brilliancy without inverse rays.

Deep Penetration The great penetration obtained is one of the most commendable features. Radiographs made with this apparatus have greater contrast and reveal the most delicate gradations of density in soft tissue.

Marvelous Speed

Exposures of the thorax or pelvis are made in a single flash without using a screen.

Flexibility

The regulation is so perfect that fluoroscopic or treatment work can be engaged in without beating tube; or the heaviest radiographic effects can be had at an instant's notice.

Closed Core Transformer The transformer is known as the closed core type, in which the efficiency is 85%. Manufacturers who recommend the old open core type usually have an axe to grind by taking back their old induction

coils for future use.

(Patents Pending)



Showing apparatus only, with protective door closed.

(Patents Pending)

Closed Core
The sophistries advanced against closed core transformers by their
vs. Open Core
opponents are as fallacious as their motives are obvious. When you
buy a 5 K.W. closed core transformer which consumes 5 K.W. and
renders 85% efficiency in milliamperes to an X-Ray tube, you are getting the equivalent of a 10 K.W. open core transformer in which only 46% of the energy is actually
delivered to the tube.

Closed Core Economy
vs. Open Core Extravagance

A closed core transformer properly constructed and conservatively rated will stand a 100% overload for short intervals with absolute safety. The low ratings indicate maximum load for constant service. Our 5 K.W., A.C. machine will draw 10 K.W. if desired, but we have yet to learn of any X-Ray work which cannot be done

10 K.W. if desired, but we have yet to learn of any X-Ray work which cannot be done with 5 K.W. or less. The open core transformers are usually listed at their overload rating, while closed core machines are rated as for constant service.

a Great Economy

provement over the ordinary closed core transformer as is the difference between the closed and the open cores. There is no motor to operate on the alternating current and no noisy commutator.

No Royalty Best of all, you have no royalty to pay to the owner of the commutator patent. All of the other interrupterless machines, excepting one, are made under a certain patent and the manufacturers pay a royalty which amounts to between \$50.00 and \$100.00 on each machine. You pay this royalty in the long run if you buy the other type of machine.

Absolute When our machine is operated with the alternating current it is absolute Silence lutely silent except for the slight sound produced by the passage of the current through the tube. There is no noisy hum of motor, no hissing spark as with the commutator—absolutely nothing to distract your attention from your work or to alarm the patient.

Tube

One of the fetiches, which have been invoked by various manufacturers against each other, is that of tube expense. We look forward to a similar invocation on the part of competitors. We have gone thoroughly into the matter of tube expense, made exhaustive tests, having made two hundred exposures with one tube and that tube is still in first-class working order and is a good picture tube at the present writing.

Heating of Tube
The heating of the tube is minimized and as a prominent tube
maker remarked: "This invention will be bad for the tube business."

Reduced Many of the theories advanced by manufacturers have no basis for their existence but theory. One of these beautiful theories is that by utilizing the low voltage of the cycle a much greater tendency toward burns is noted in the ray. This theory we have exploded absolutely by exposing the pastilles of Sabourad at the same time at which radiographs were being made, the pastilles showing not the slightest change in tint, thus indicating that there is absolutely no more danger from burns by utilizing the entire wave than by using only the peak of the wave, as others do.

Protection

A novel feature has been introduced in our cabinet by lining the door with sheet lead so that when in use, the door, being swung outwards, serves as a shield to the operator. This gives you a protective screen without additional expense and, best of all, without requiring extra floor space. A lead glass window in the door allows operator to see the tube and read the meter.

(Patents Pending)

Attachment

A lead glass window 16x24 inches in the lead-lined door affords facility for fluoroscopic work. We can furnish a fluoroscopic screen fitted to the outside of door so that the patient can stand against the door and the operator on the other side can look through the lead glass at the fluoroscopic image of the part under study. The screen can be moved up or down by means of a cord under control of operator. This additional fixture at small expense gives the same advantages as the large, costly Roentgenoscopes, not to speak of the saving in floor space.

How many trips have you made to and from your plate chest during a series of radiographs to avoid exposure of plates? When desired, we add a compartment to the cabinet just below the switchboard where one may place several loaded plates or casettes in readiness for the exposures contemplated. It is heavily lined with sheet lead and is absolutely safe. It measures 5¼ inches wide, 19½ inches long, and 15 inches deep, affording room for one dozen 14x17, one dozen 11x14, one dozen 8x10, and one dozen 5x7-inch plates.

Artistic The cabinet-work is of selected quarter-sawed oak, dark golden finish, hand rubbed, measuring 44 inches wide, 25¼ inches deep, and 70 inches high, and with discharging rods removed will pass through an ordinary door. The tall design used affords a door of sufficient size for a screen and at the same time takes up little floor space.

Compactness When the door is closed the switchboard is completely enclosed, hence all possibility of any one accidentally tampering with the apparatus is prevented.

PRICES.

Hogan Silent X-Ray Transformer 5 K W 110 or 220 walt alto

60 cycles, complete with switchboard, rheostat, ammeter and three core reels	1
Hogan Silent X-Ray Transformer, 5 K.W., 110 or 220-volt direct current, with same equipment as above, with addition of rotary converter to change direct to alternating, and starting rheostat	t
Milliammeter for X-Ray Tube Fluoroscopic Screen, 11x14 inches, including attachments for mounting on door of cabinet	r
Lead-lined plate compartment	18.00
For Complete Outfit, Add	
3 7-inch Tungsten Target Tubes, at \$35.00 1 McIntosh Stereoscopic Tube Stand with lead glass bowl and cone 1 Diagnostic Box	85.00 25.00 60.00
Price of complete outfit for direct current	\$1,300.50

The



Sw

(Patents Pending)



HOWING how door may be used as protective screen. Window is of lead glass and permits fluoroscopic screen to be suspended on the side facing tube, while operator, standing behind the protective screen, views the fluoroscopic while through the window in perfect safety.

Switchboard shown is for the direct current outfit, being furnished with starting theostat for rotary converter.

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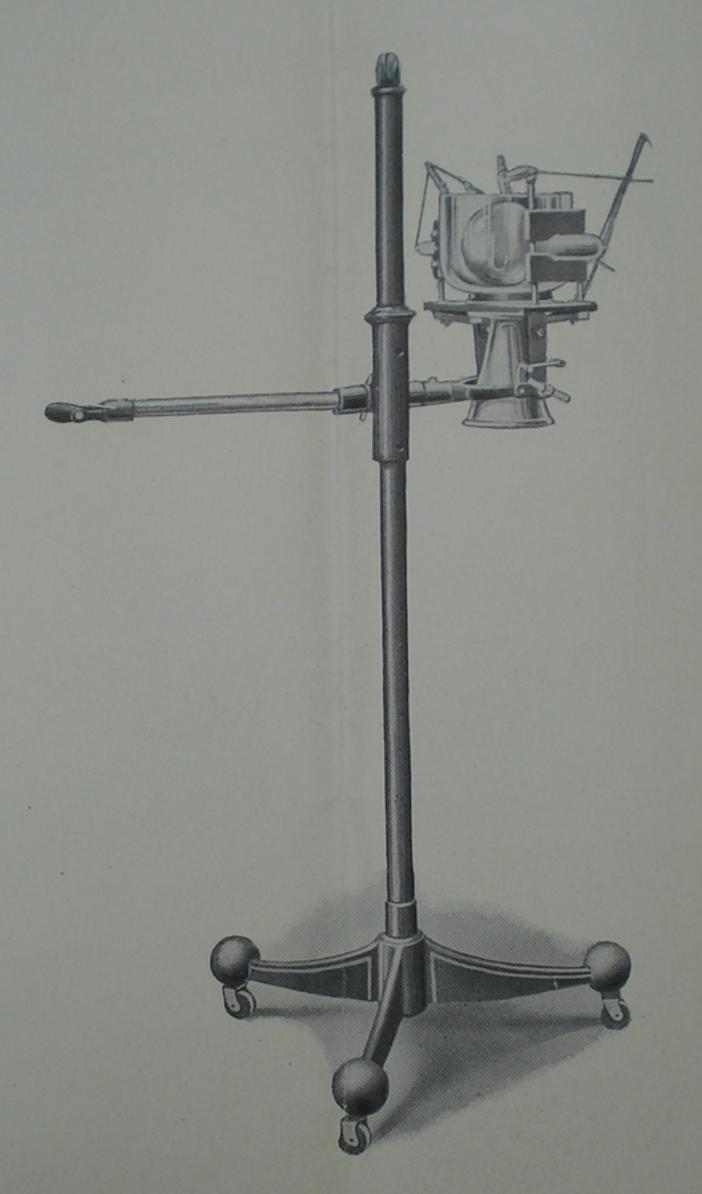
105.00 85.00

25.50 50.50 2.50

\$1,360.50

1,150.50

McIntosh Stereoscopic X-Ray Tube Stand



Price\$85.00

HE bowl and cone are of heavy lead glass, confining the rays to the field of operation. All adjustments are firmly and easily made. The tube carriage is suspended by a counterweight in the hollow standard. Stereoscopic adjustment is effected by a set of stops which may be adjusted for 2½-inch slide or to suit operator.

The tube can be adjusted at any desired angle for radiographic fluoroscopic or treatment work, having a movement of 27 inches vertically and 14 inches horizontally, with lateral adjustment adaptable to any requirements.

The stand is 67 inches high, 47 inches at greatest width, and weighs 115 pounds.

The bowl will hold any tube up to and including 8 inches in diameter.

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Price, 5 Price, I Price, I



\$25.00

HIS is substantially made of sheet metal. The volume of light is under perfect control and may be graduated to suit thin or heavy plates. Any plate from 5x7 to 14x17 inches may be accommodated by adjusting the sliding curtains.

PARAGON X-RAY PLATES

Per Dozen	No. of Plates in Package	
Tel Bozen		\$0.30
4. 10	12	.45
	12	.60
	12	.95
3.00	6	.95 1.25
5.30	6	2.25
7.25	6	
11.25		
	7.25	2.10 3.00 5.30 6 7.25

CRAMER X-RAY PLATES

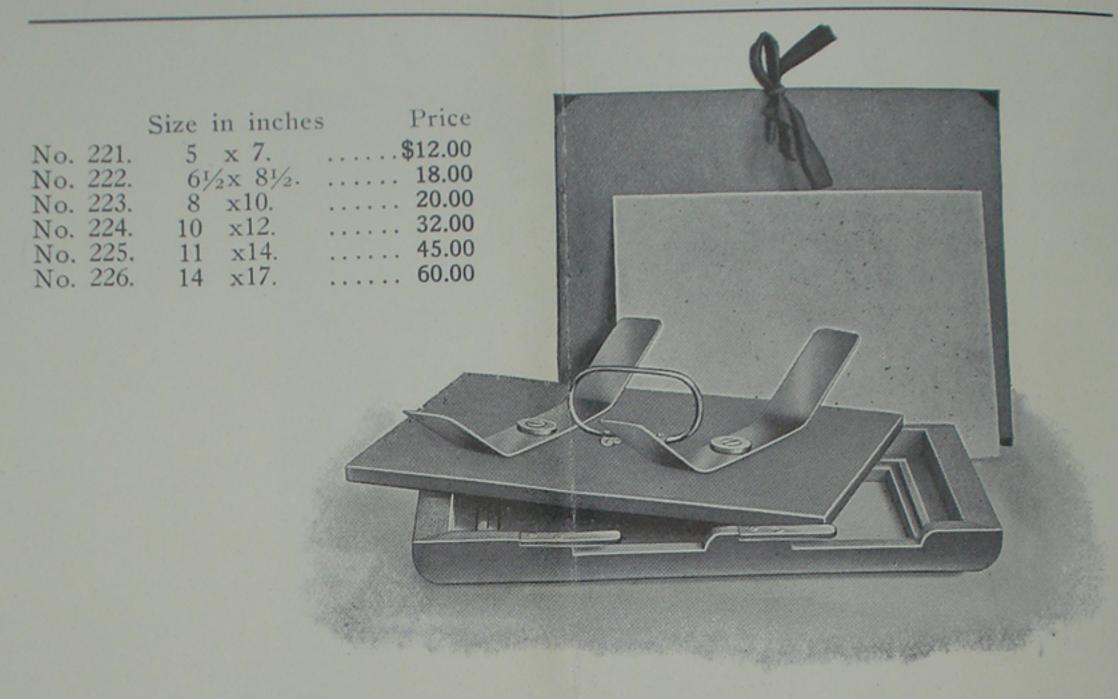
	CRAMER A-RH	No. of Plates in Package
Size in Inches	Per Dozen with 12 Envelopes	12
5x7 6½x8½ 8x10 10x12 11x14 14x17	\$1.40 2.10 3.00 5.25 7.25 11.25	12 6 6 6 8 een\$17.

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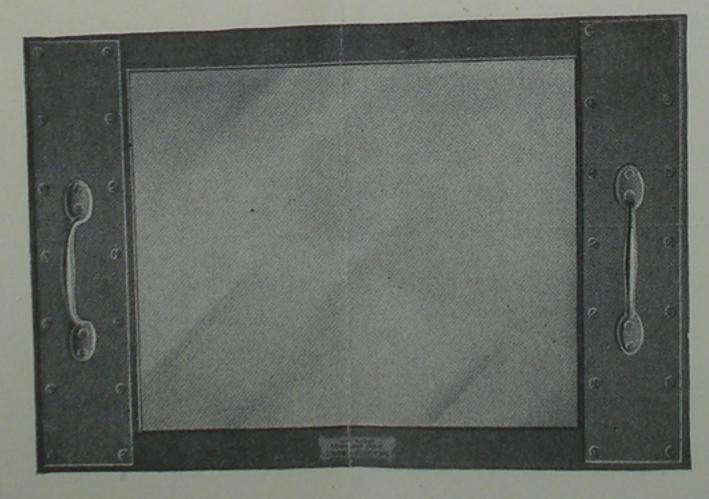
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pounds.

Intensifying Screen and Cassette



Platinum-Barium-Cyanide Fluoroscopic Screens



No. 242.	Price
Price, additional, for fluoroscop	ic attachment to suspend above screens from \$25.00\$25.00 subject to change without notice.)

HE screen is mounted in a good. strong, oak frame, and is covered by a thick, heavy piece of lead glass, assuring protection to the operator. A large handle is fastened to each end of the frame. Behind them are heavy pieces of metal, which prevent the rays reaching the hands.

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Astral Screens for Fluoroscopy

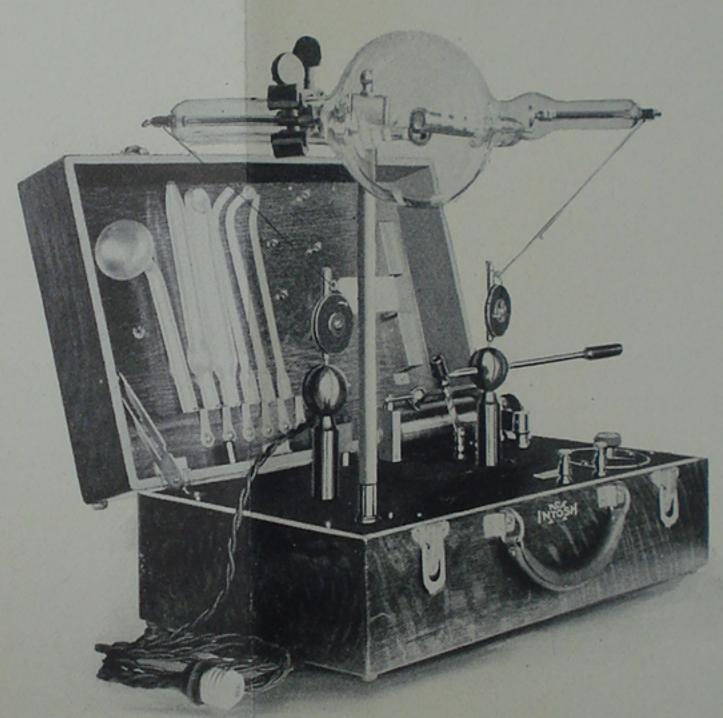
HIS new screen is of a substance which, when exposed to the X-Radiance, fluoresces similarly to those made of barium-platinum-cyanide, but a brighter and whitish light is obtained with X-Ray tubes working under the same conditions. of the platinum screen. Greater clearness of image is, therefore, obtained with the same amount of current passing through the X-Ray tube.

It is a well-known fact that barium-platinum-cyanide screens have the disadvantage of becoming brown in color and losing a certain amount of their fluorescent properties due to the influence of the X-Rays. The Astral screen is free from this drawback. Its chemical composition is not acted upon by X-Rays; in fact, not by any kind of light.

Prices, Including Frame with Lead Glass Cover

7 - 0 inches	
/ X 9 menes	 \$32.50
91/2×12 inches	 15.00
12 -16 inches	43.00
12 XIO menes	 \$32.50 45.00 75.00

McIntosh
No. 2
X-Ray
and
Treatment
Coil



Price, for 110 volts, without X-Ray Tube or Tube Clamp, but including set of
Price, for 110 volts, without X-Ray Tube or Tube Clamp, but including pair of six vacuum electrodes, handle, cord, attachment plug with cord and pair of \$75.00 cord reels mounted in lid
six vacuum electrodes, handle, cord, attachment plug with cord and particle, for 110 volts, without X-Ray Tube, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, cord, attachment plug with cord and particle six vacuum electrodes, handle, attachment plug with electrodes, handle,
Price, 6-inch High Frequency X-Ray Tube, latest type
Price, 5x7-inch Imported B. P. C. Fluoroscope with lead glass protection
Price, 5x7-inch Imported B. P. C. Fluoroscope
Cautery cords, nandle and one cautery creened

HIS Coil delivers a 3½-inch spark, sufficient to excite an X-Ray tube for examining or radiographing extremities, but not for deep-seated parts, being also suitable for X-Ray therapy in skin lesions.

It is especially valuable for high frequency treatments with the vacuum electrodes, and the regulation being under perfect control by adjustment of the vibrator screw, and will excite any vacuum electrode perfectly from a delicate glow to full intensity.

It also affords good cautery results in nose and throat work.

The No. 2 Coil is finely finished and put up in a quarter-sawed oak case 11 inches wide, 18 inches long and 73% inches high and can be operated with either alternating or direct current by screwing the plug in any lamp socket.

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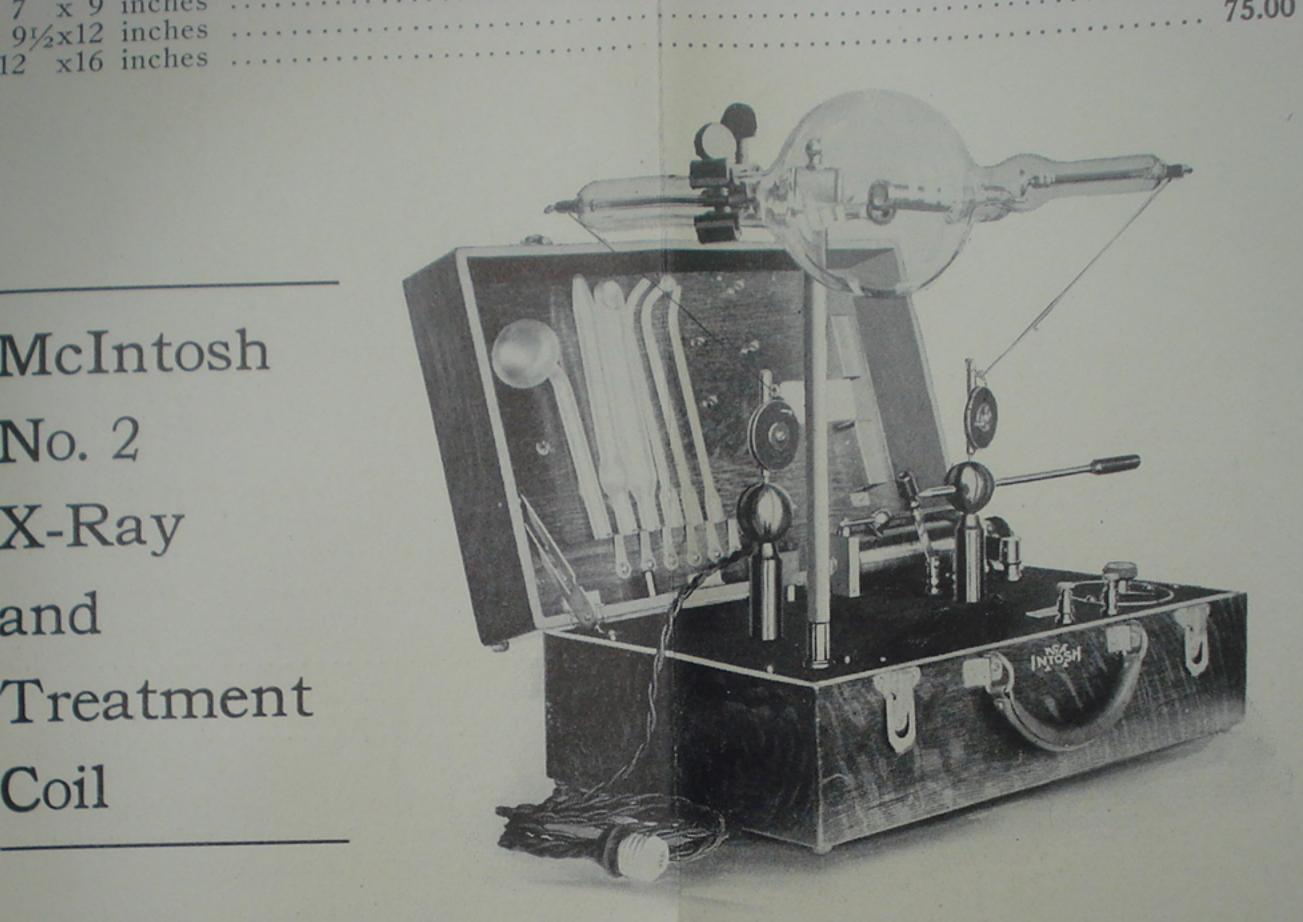
ered by a thick,

A large handle

pieces of metal,

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McIntosh No. 2 X-Ray and Treatment Coil



Price, for 110 volts, without X-Ray Tube or Tube Clamp, but including set of six vacuum electrodes, handle, cord, attachment plug with cord and pair of
Six vacuum electrodes, manare,
six vacuum electrodes, handle, cord, attachment plus with cord
Price, 6-inch High Frequency X-Ray Tube, latest type
Price, 5x7-inch Imported B. F. C. Pidoroscope W. 3.00
Price, 5x7-inch Imported B. P. C. Fluoroscope with lead glass process
Price, X-Ray Tube Clamp 3.50 Cautery cords, handle and one cautery electrode
Cautery Cords, named and one carry

HIS Coil delivers a 31/2-inch spark, sufficient to excite an X-Ray tube for examining or radiographing extremities, but not for deep-seated parts, being also suitable for X-Ray therapy in skin lesions.

It is especially valuable for high frequency treatments with the vacuum electrodes, the regulation being under perfect control by adjustment of the vibrator screw, and will excite any vacuum electrode perfectly from a delicate glow to full intensity.

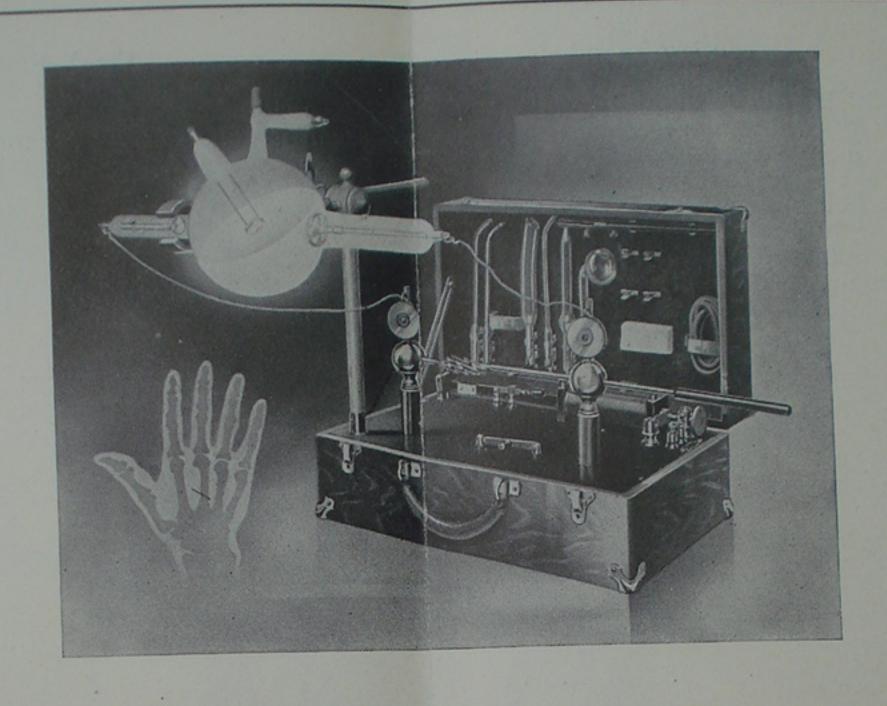
It also affords good cautery results in nose and throat work.

The No. 2 Coil is finely finished and put up in a quarter-sawed oak case 11 inches wide, 18 inches long and 73/8 inches high and can be operated with either alternating or direct current by screwing the plug in any lamp socket.



ent

McIntosh No. 6 Portable X-Ray Coil



Price, for 110 volts, without X-Ray Tube or Tube Clamp, but including set of six vacuum electrodes, handle, cord, cautery cords, handle and one cautery electrode, attachment plug with cord and pair of X-Ray cord reels, mounted electrode, attachment plug with cord and pair of X-Ray cord reels, mounted	5.00
Price, additional, for 220 volts direct or alternating current	0.00 0.00 7.00 3.00
Price, X-Ray Tube Clamp	0.00

HIS is the most powerful portable coil of its size on the market. It weighs only 28 pounds, gives a heavy 6-inch spark, and will excite a 6-inch tube perfectly, affording a good fluoroscopic view of extremities, elbow, knee, etc.

It will make a splendid plate of the shoulder or chest in 45 seconds with an Intensifying Screen, or a good diagnostic picture of the hip in one minute. The Intensifying Screen is an absolute necessity with all body pictures; but for knee, elbow, etc., is not necessary if a good, fast plate, such as the Paragon, is employed.

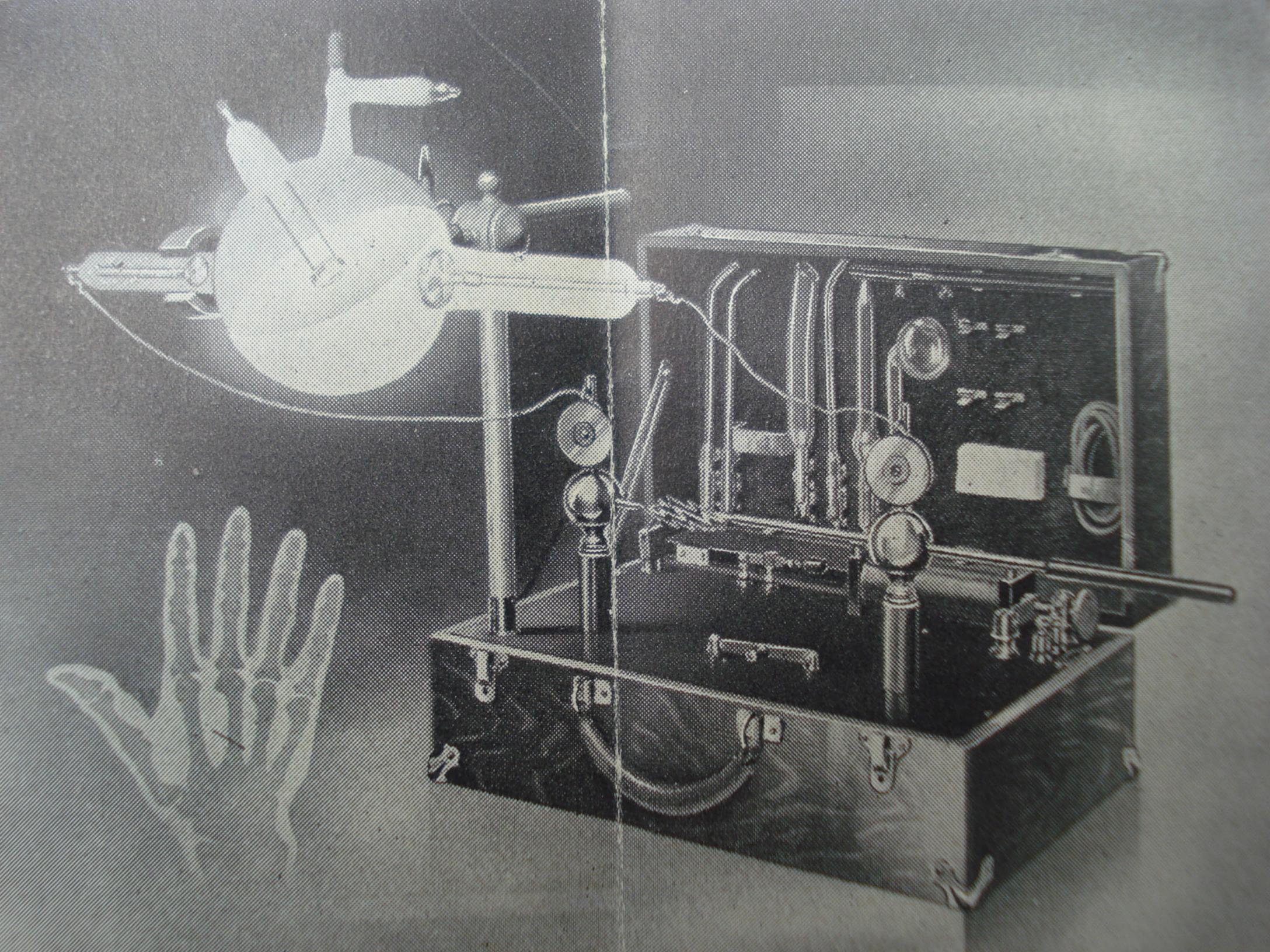
The No. 6 Coil can also be used for X-Ray treatments, giving good results in acme vulgaris, epithelioma, lupus, etc. For this work one should have the Tube Shield to protect operator.

The Coil is of the double Tesla type, is extremely simple of construction with the number of working parts reduced to the minimum and is constructed of the very highest quality of material and workmanship. For X-Ray work, both of the Tesla coils are employed. For high frequency treatments, one of the Tesla coils may be cut out by raising the grounding lever and leaning it against the discharging rod at the left.

Good cautery results can also be had in nose or throat work. Any ordinary knife

The No. 6 Coil can be operated either with 110-volt direct or alternating current by simply screwing the plug in any lamp socket. No rotary converter is required with the direct current, as with other outfits.

The apparatus is finely finished, all metal parts being in lacquered brass mounted on a highly polished insulating base and contained in a polished quarter-sawed oak case measuring 18 inches long, 11 inches wide, and 73% inches high.



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"A NECESSITY FOR THE ROENTGENOLOGIST"

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Stampings
in Gold

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believing in the importance of the

X-Ray as a Diagnostic Agent

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GEORGE and LEONARD'S

THE ROENTGEN DIAGNOSIS OF SURGICAL LESIONS

GASTRO-INTESTINAL TRACT

PUBLISHED BY THE COLONIAL MEDICAL PRESS, BOSTON, MASS.

The only COMPLETE and PRACTICAL work of its kind

¶ A great surgeon says; "As exemplified in this book, the X-Ray is truly The Human Eye of Medicine."

¶ One of the leading Roentgenologists of the country writes; "It shows brilliant, original, painstaking work. It fills a long-felt want and leaves nothing to be desired."

The Roentgen Conclusions, Operative Findings and Illustrations are so arranged that they demonstrate clearly, simply and concisely the normal and pathological conditions with which they deal. No other similar work possesses this important arrangement...

The Gall-Stone section is especially noteworthy. The Authors not only give their definite technique, but exemplify and prove its correctness by thirty-eight remarkable gall-stone reproductions.

I The Surgeon and Clinician especially, will appreciate the fact that the operative findings are given on over 95% of the three hundred and odd cases illustrated . . . by comparing or

"matching up" his own Roentgenologist's radiographic report with a similar reproduction in the book, he will know in advance, in the majority of instances, the conditions which he will encounter in the actual operation.

¶The prominence, standing, past writings and wide experience in Roentgenology of the Authors, warrant the statement, that this, their most complete work, is authoritative.

The illustrations are exact (not reversed) reproductions of the original Roentgen plates. They are unexcelled, if not unequaled, in beauty and clearness of detail.

THREE HUNDRED AND SIX PAGES including Seven Three-color Illustrations, Eighteen Artist's Drawings, Three Hundred and Forty-Three Roentgen Plate Reproductions.

q INDEX contains Two Hundred and Ten Separate Headings.

The Book: The paper used is made to order for the work in hand. The binding is in Art Vellum De Luxe—full silk black cloth with outside stampings in gold. Size of book page is nine and one-quarter by twelve and one-half inches.

McIntosh Battery & Optical Co. 217-223 N. Desplaines Street & CHICAGO, ILL.

NOTE: The reduced pages below show the method of arrangement of Legends and how faithfully the Roentgen Plates are reproduced in their original shadow gradations. These Illustrations, in the book, are 5 x 4 and 3\frac{1}{4} x 4 inches. The page size of the book is 9\frac{1}{4} x 12\frac{1}{2} inches. THE ROENTGEN DIAGNOSIS OF SURGICAL LESIONS

THE ROENTGEN DIAGNOSIS OF SURGICAL LESIONS

LARGE INTESTINE

ADHESIONS

Figure 296

PATIENT-POSITION: Man, age 50. Prone.

(Twenty-four hour plate.)

ROENTGEN CONCLUSIONS: Normal.

OPERATIVE FINDINGS: No operation.

Key plate.

1 Cæcum.

2 Ascending colon.

3 Hepatic flexure. 4 Transverse colon.

5 Splenic flexure.

6 Descending colon.

7 Sigmoid.

8 Appendix.

Figure 297

PATIENT-POSITION: Woman, age 38. Prone.

ROENTGEN CONCLUSIONS: Incompetency of the ileocæcal valve due to adhesions about the ascending colon. These adhesions extend from the region of the cæcum to the lesser curvature of the stomach, causing pressure on the duodenum and transverse colon.

OPERATIVE FINDINGS: Exploration showed presence of a dilated duodenum due to adhesions which caused a narrowing of lumen. Appendix drawn up, although not grossly pathological, tied off and removed. Many adhesions separated in the right upper quadrant.

Bismuth enema examination and bismuth meal.

A-B-C-D-E Effect of pressure from adhesions.

F Appendix and ileum.

G Bismuth in ileum due to incompetency of the ileocæcal

H Marked atony of the transverse colon.



FIGURE 296

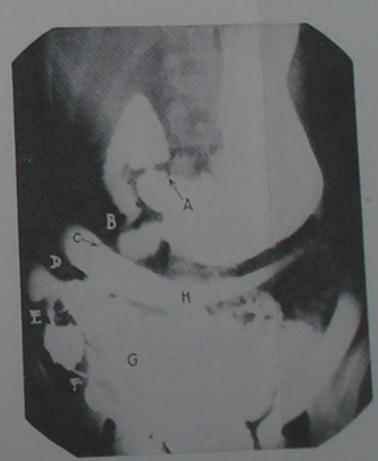


FIGURE 297

"A necessity for the Roentgenologists and a guide and fund of information, for every Physician, Surgeon and Hospital that realises the importable V.P. ance of the X-Ray as a Diagnostic Agent. It will enable the Physician and Surgeon to appreciate understandingly and to discuss intelligently his

"Not only do the Authors give their full technique of Plate Making and Plate Interpretation, which is of prime importance to the Roentgenologist. but the Surgeon will also appreciate the invaluable assistance of having both the Roentgen Conclusions and Operative Findings given on over 95 for cont of the cases" the cases."

TABLE OF CONTENTS

SECTION I. NORMAL STOMACH

Methods — Direct and Indirect Method — Apparatus — Meals — Position of Patient — Number of Plates — Time of Examinations.

SECTION II. GASTRIC ULCER.

Definition — Technique — Normal Gastric Shadow — Variations from the Normal — Positive Signs of Ulcer — Presumptive Signs of Ulcer.

SECTION III. GASTRIC NEW GROWTH.

Classification — Value of the Roentgen Ray in Diagnosis and Prognosis — Early Carcinoma — Advanced Carcinoma with Symptoms — and Without Symptoms — Value of the Negative Plate.

SECTION IV. DUODENUM.

Definition — Pathology — Possibility of a Positive Diagnosis — "Seven Propositions" — Serial Plates — Presumptive Evidence — Value of Fluoroscope.

SECTION V. GALL-BLADDER.

Percentage of Stones which Show — Technique — Preparation and Position of Patient — Tubes — Plates — Screens — Stereoscopic Plates — Demonstration of Diseased Gall-Bladder — Adhesions.

SECTION VI. SMALL INTESTINE.

Roentgen Appearance — Jejunum — Ileum — Ulcer — Difficulties of Demonstration — New Growth — Adhesions.

SECTION VII. APPENDIX.

American and Continental School — Technique — Meal — Plates — Fluoroscope — Normal Appearance — Roentgen Evidence of Pathology.

SECTION VIII. LARGE INTESTINE.

Opaque Meal — Enema — Use of Fluoroscope — Plates — Normal Colon — Adhesions — Roentgen Evidence of New Growth — Congenital or Acquired Malformations — Colitis.

SECTION IX. DIVERTICULITIS.

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Dear Sirs:	
Referring to THE ROENTGEN DIAGNOSIS O.	F
SURGICAL LESIONS OF THE GASTRO-INTESTINA.	L
TRACT (George and Leonard), I desire you to (check one)).
1 Send me the Book, postpaid, (C.O.D \$10.00).	
2Send me the Book, postpaid, (enclosed find check for \$10.00)).
3Send me the Book, postpaid, (charge to my account with you).
Signed	
Date	



E. H. Knowlton, M. D.,

APPLIAN(ES

Mantua, 0.

Dear Doctor: -

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ELE(TRO-THERAPEUTI(AL

MINTOSH IMPROVED

METERS.

MANUFACTURERS

If you want to take advantage of a "sure thing," then you ought to send us your acceptance of the quotation made you a short time ago.

The "McIntosh" quality is a "sure thing," if anything ever merited this expression, as it can be depended upon absolutely.

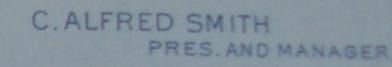
There is a great satisfaction in knowing that your office is equipped with the best to be had and this feeling is peculiar to "McIntosh" customers.

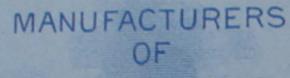
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Sept. 8, 1908.

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E. H. Knowlton, M. D.,

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The "McIntosh" quality is a "sure thing," if anything ever merited this expression, as it can be depended upon absolutely. tagenetion in knowing that your office

ce good."

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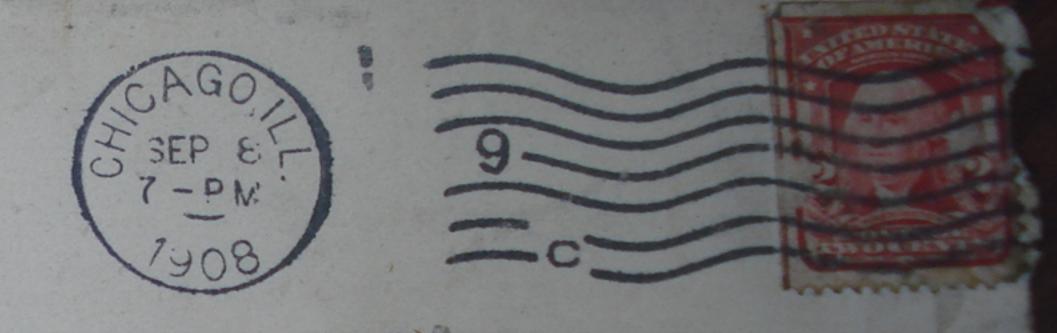
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McIntosh Table Cabinet

STYLE E

FITTED WITH NO. 6 PLATE

This apparatus, shown in illustration on the front cover, is a new departure in electro-therapeutical apparatus. It combines the compactness of arrangement of a Wall Plate with the convenience and easy mobility of a Table Plate. It makes a most suitable outfit for use in the hospital, as it may be easily rolled from one ward to another.

The No. 6 Plate, mounted in Table Cabinet, is our regular style of Plate as usually furnished in Wall Cabinet and offers all of the advantages of such an outfit. It consists of a handsome marble slab, 16 inches square, upon which are mounted: the superior MacLagan Wire Rheostat; the accurate McIntosh Milliamperemeter with Shunt; the reliable McIntosh Graduated Automatic Rheotome; a large Faradic Coil containing Primary and Secondary Windings, with Fast and Slow Vibrators; together with Pole-changer and other necessary switches and binding-posts for regulation and delivery of the various currents.

The Alternating Current can be made use of as a source of energy through the agency of the McIntosh Alternating Current Rectifier, which can be accommodated on the shelf beneath the table, where the controlling switch can be easily manipulated by the operator and the burning of the resistance lamp can be observed. When the outfit is furnished especially adapted to the alternating current, it is so wired that a Sinusoidal Current can be obtained from the apparatus in addition to the Galvanic and Faradic Currents usually available.

The Direct Lighting Current may be very easily employed as a source of supply for the apparatus. With this form of current it is only necessary to screw the attaching plug into a convenient lamp socket and make connection with the binding-posts on the Cabinet. When operated in this manner the Galvanic and Faradic Currents in almost numberless varieties can be obtained from the apparatus.

The Cabinet-Work is in the form of a handsome library table and is built of selected, kiln-dried, quarter-sawed oak, hand-rubbed to a brilliant polish in the popular, dark, golden finish. The extreme width of the table from right to left is 32 inches; the depth from front to back is 26 inches and the height over all is 36 inches. The table is fitted with a set of durable, substantial castors. The protecting case is strongly hinged and secured by a brass stay joint, and, being fitted with bevelled plate glass, it makes a secure, dust-proof cover for the Table Plate when closed down and locked. The ample space on the table top makes a convenient resting place for electrodes during operation and the two drawers afford good storage space for such appliances. A pair of Conducting Cords, Universal Handles and Sponge Discs as well as Attaching Plug and Cord are included with each outfit.

PRICES.

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Direct Current......\$60.00

McIntosh Table Cabinet

STYLE E

FITTED WITH NO. 9 PLATE

This unique, up-to-date outfit, illustrated on the fourth page, offers all the advantageous features of the No. 6 Table Plate but with the additional points of superiority possessed by the No. 9 Plate.

The McIntosh No. 9 Plate consists of an elegant, highly polished marble slab, 18 inches by 24 inches, upon which are mounted: the MacLagan Wire Rheostat; the McIntosh Milliamperemeter with Shunt; the new McIntosh Monomotive Rheotome; a High Tension Faradic Coil, containing Primary Winding and Secondary Winding consisting of 4500 feet of No. 36 wire, tapped at 1500 and 3000 feet; as well as the McIntosh Energy Changing Switch, a Switch for the Connection of a Set of 12 Dry Cells for Cautery Work, together with the McIntosh Current Combiner Switch, Pole Changer and other necessary switches and binding-posts for administration of the various currents.

The Points of Advantage in which the No. 9 Plate excels the No. 6 Plate are as follows:

- 1. The High Tension Faradic Coil, from which a Secondary Current of valuable anaesthetic properties is available; this current being highly recommended by many of the leading writers on Electro-Therapeutics.
- 2. The McIntosh Monomotive Rheotome, a superior type of automatic interrupter for either Galvanic, Faradic or Sinusoidal current; its especial virtue consisting in the high degree to which the mechanical detail has been perfected.
- 3. The McIntosh Current Combiner Switch permits of the combining of the Galvanic and Faradic or the Primary and Secondary currents; this is also a feature dwelt upon at great length by the master-minds in Electro-Therapy.
- 4. The McIntosh Energy Changing Switch, by means of which two different forms of energy may be utilized in an intermittent manner; for example: using direct power circuit during the day or alternating lighting current during the evening.
- 5. A Switch for Connection of a Set of 12 Dry Cells for Cautery Work, offering a wide range of cautery effects.

The General Finish of this outfit is the same as that of the outfit with No. 6 Plate: the cabinet work being of the same character; the only difference being that exhibited in the plate. A pair of Conducting Cords and Universal Handles with Sponge Discs, together with Attaching Plug and cord, as well as three Dry Cells for the Faradic Coil, are included with the apparatus.

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FITTED WITH NO. 9 PLATE

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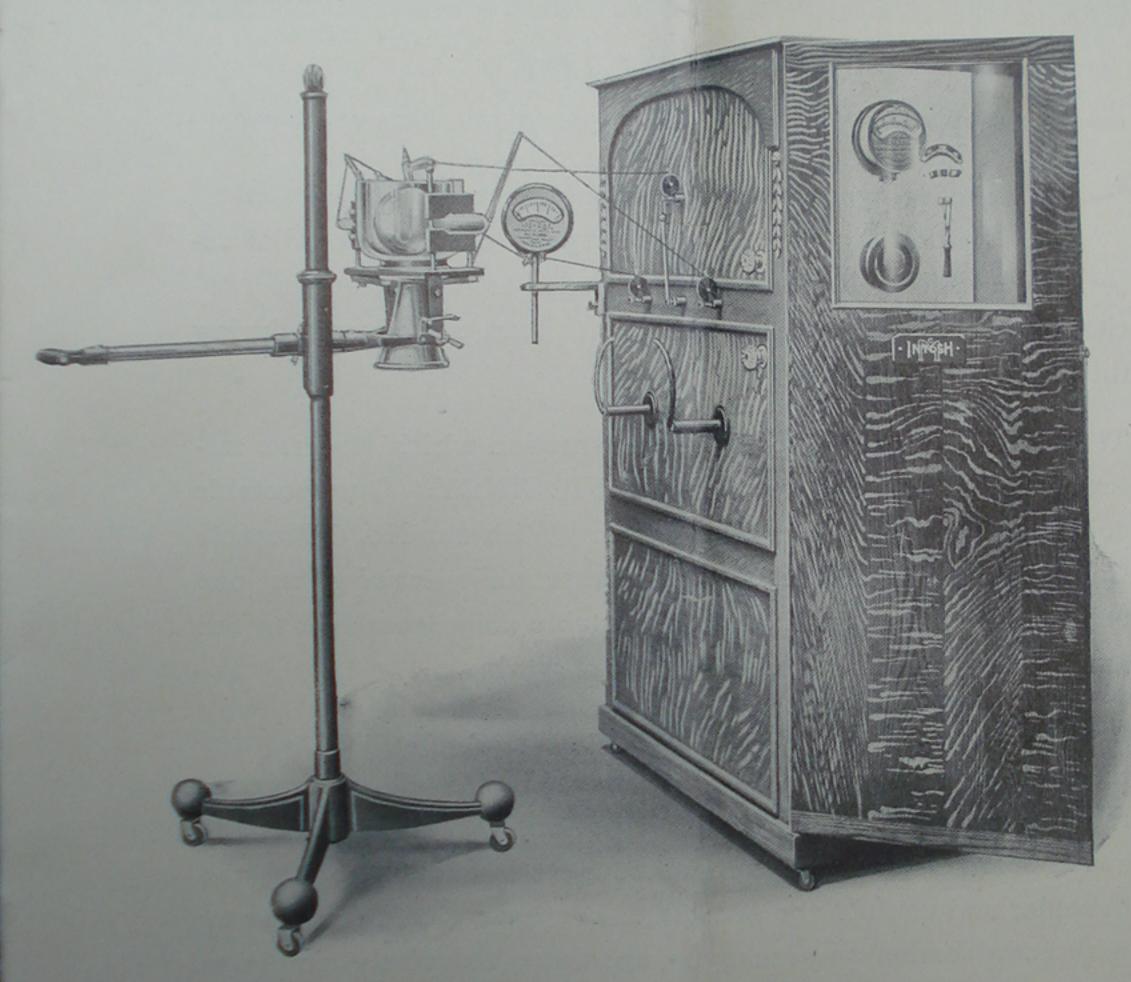
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